

Work Order ID 134978

Wednesday, July 22, 2015 4:18:33 PM

134978

Page 1

Item ID: D3171-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Angle Bracket
 Start Date: 7/19/15 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 7/22/15 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: MLJ Date: JUL 23 2015 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3171	Rev A								

100 FLOW WATER JET 0.00
100
 Waterjet Memo 0.00
 FLOW CNC Waterjet 1-Cut as per Dwg D3171 Dwg Rev: A Prog Rev: A 2-
 Deburr if necessary
 (3) 07/15/2015

110 QC2- Inspect parts off machine FAI/FAIB 0.00
110
 QC Memo 0.00
 Quality Control
 (3) 07/15/2015

120 QC8- Inspect parts - second check 0.00
120
 QC Memo 0.00
 Quality Control
 (3) 07/15/2015

DAS
38
9-89
JUL 29 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Small Fab								
Small Fab	Memo	0.00							
Small Fab	Deburr if necessary								
140		0.00							
140	NC BRAKE				DAS				15/07/29
Brake NC	Memo	0.00			30	3			
Brake NC	Bend as per Dwg D3171Tumble				9-89				
150		0.00							
150	QC5- Inspect part completeness to step on W/O								
QC	Memo	0.00							
Quality Control									

DAS
38
9-89
JUL 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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134978

Page 3

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item Name: Angle Bracket

Start Date: 7/19/15 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 7/22/15 **Req'd Qty:** 1.00 ***1***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/
Work Center ID

Operation Description

Set Up/ Run Hours

Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
---------	--------	-----------	------------	------------	---------------	-------------

160

Identify as per dwg & Stock Location.

0.00

160

Memo

0.00

Packaging

Packaging

3 DAS
27
9-89
JUL 30 2015

170

QC21- Final Inspection - Work Order Release

0.00

170

Memo

0.00

QC

Quality Control

SLA 201 50730

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
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Picklist Print

Wednesday, July 22, 2015 4:18:33 PM

Page 1

Work Order ID: 134978

134978

Parent Item: D3171-1

D3171-1

Parent Item Name: Angle Bracket

Start Date: 7/19/15

Required Date: 7/22/15

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP A02.11.04New IssueKJ
IPP Rev:B 08-03-27 now on water jet DD verified by:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M304S16GA		Purchased	No			100	sf	224.7900	0.0206	0.021684			
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M304S16GA

304/316 Sheet .063

DU 15/07/29

Location

Loc Qty

Loc Code

MAT019

224.79

M129192

1

m131384

90

m131503

69.79

m132797

64

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

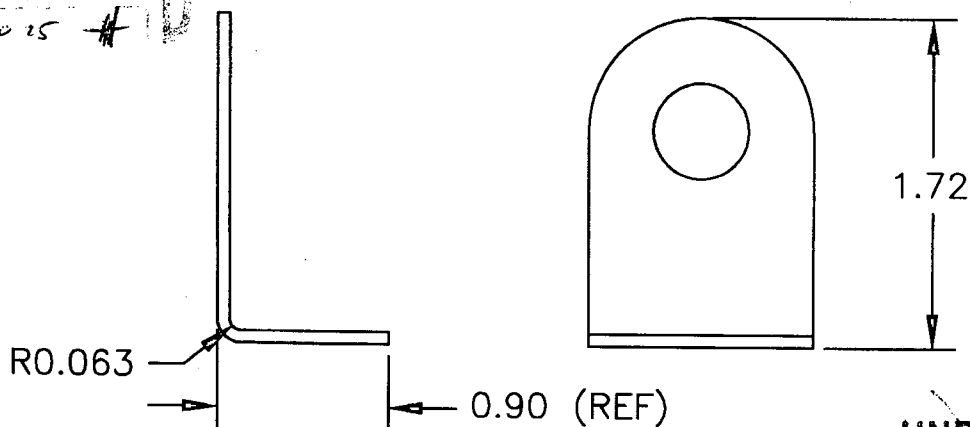
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OTHER : ☐																					



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3171	REV. A SHEET 1 OF 1
DATE 02.10.08		TITLE ANGLE	SCALE 1:1
A	02.10.08	NEW ISSUE	

RELEASED
02.10.25



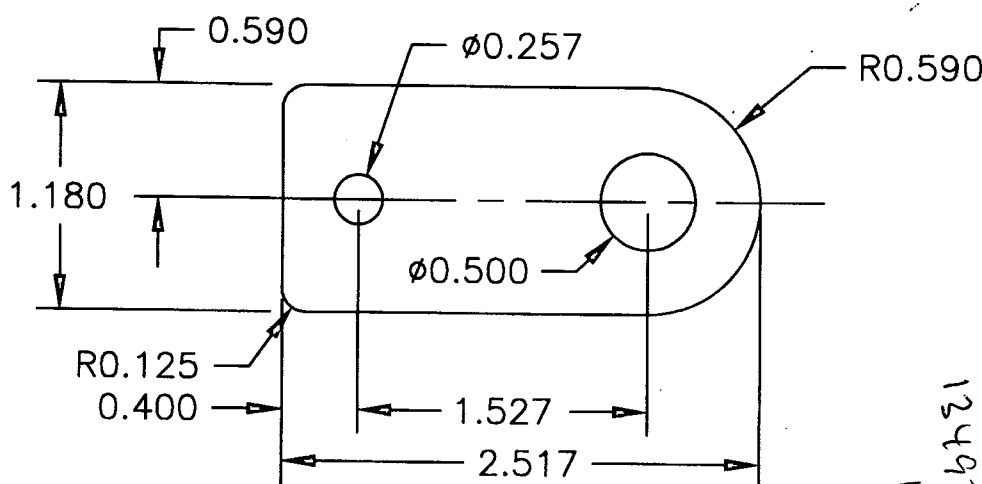
D3171-1 ANGLE

UNDER REVIEW

07.06.02 CB

adding -3

OK
CB
-3 not
being
used



D3171-1 ANGLE FLAT PATTERN

124978 MJS
15-06-03

NOTES

- 1) MATERIAL: AISI 304/316 ANNEALED SS SHEET 0.063 THICK
PER MIL-S-5019 (REF. DART SPEC. M304S16GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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